

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A liquid transmission line connection apparatus comprising a male connector~~(RMI)~~ and a female connector ~~(RFI)~~ to be assembled and to be locked together in order to create a liquid transmission connection in the area of medical coupling, in which standardised male connectors~~(RMN)~~ and female connectors ~~(RFN)~~ are currently used, in particular for an enteral nutrition line, with the female connector~~(RFI)~~ having as the standardised female connector~~(RFN)~~ a head~~(13 ; 14)~~ that forms a conical entry conduit~~(15 ; 16)~~ and which has an external thread~~(19 ; 20)~~, and with the male connector~~(RMI)~~ having as standardised male connector ~~(RMN)~~ a projecting conical tube~~(1 ; 2)~~ that forms an entry conduit ~~(3 ; 4)~~, surrounded by a collar~~(7 ; 8)~~ which forms a channel~~(9 ; 10)~~ around the tube, and which has an internal thread~~(11 ; 12)~~, with the head of the female tube~~(RFI)~~ being capable of penetrating into the channel of the male connector~~(RMI)~~, with the head of the male tube~~(RMI)~~ being capable of penetrating, with lateral sealing, into the entry conduit of the female connector~~(RFI)~~, and with the threads of the two connectors being capable of fitting together so as to lock the assembly, characterised in that these connectors ~~(RMI, RFI)~~ have an entry diameter and a diameter at the crest of

the threads that are chosen in relation to the corresponding diameters of the standardised connectors ~~(RMN, RFN)~~, so that the assembly of a male connector ~~(RMI)~~ or female connector ~~(RFI)~~ with a standardised female connector ~~(RFN)~~ or standardised male connector ~~(RMN)~~ respectively, is prevented because penetration of the ferrule of the male connector into the entry conduit of the female connector is impossible or because this penetration is halted by the head of the female connector butting against the collar of the male connector.

2 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1, in which the entry conduits ~~(15 ; 16 - 3 ; 4)~~ have a taper other than 6% ~~(the Luer taper)~~.

3 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 2, in which the entry conduits ~~(15 ; 16 - 3 ; 4)~~ have a taper falling within the range 4% and 8 - 10%.

4 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1 ~~one of claims 1 to 3~~, in which the conical entry conduits ~~(15 ; 16 - 3 ; 4)~~ have a length of 6.5 mm.

5 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1 ~~one of claims 1 to 4~~, in which the threads are double threads with a pitch of 5 mm.

6 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1 ~~one of claims 1 to 5~~, in which the male connector ~~(A)~~ has an entry diameter of 3.2 mm and a diameter at the crest of the threads of 5.8 mm and in which the female connector ~~(B)~~ has an entry diameter of 3.5 mm and a diameter at the crest of the threads of 6.8 mm.

7 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 6, in which the male connector ~~(A)~~ has a diameter of 7 mm at the base of the threads.

8 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 6, in which the female connector ~~(B)~~ has a diameter of 5.6 mm at the base of the threads.

9 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1 ~~one of claims 1 to 5~~, in which the male connector ~~(C)~~ has an entry diameter of 4.5 mm and a diameter at the crest of the threads of 7.4 mm, and in which the female connector ~~(D)~~ has an entry diameter of 4.8 mm and a diameter at the crest of the threads of 8.2 mm.

10 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 9, in which the male connector ~~(C)~~ has a diameter of 8.4 mm at the base of the threads.

11 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 12, in which the female connector ~~(D)~~ has a diameter of 7.2 mm at the base of the threads.

12 (currently amended). Liquid transmission line connection apparatus ~~Connectors (RMI, RFI)~~ according to claim 1 ~~one of claims 1 to 11~~, which have rear channels ~~(5 ; 6, 17 ; 18)~~ that allow attachment of the connectors to tubes.

13 (currently amended). A container fitted with a female connector ~~(RFI)~~ as described in claim 1 ~~one of claims 1 to 11~~.

14 (currently amended). A container according to claim 13, from the group composed of a sachet, a flask, a bottle, or a syringe.

15 (currently amended). An enteral nutrition force-feeder, fitted with a female connector ~~(RFI)~~ as described in claim 1 ~~one of claims 1 to 11~~.

16 (currently amended). A syringe equipped with a pipette for the take-up of enteral nutrition products, fitted with a male connector ~~(RMI)~~ as described in claim 1 ~~one of claims 1 to 11~~.

17 (currently amended). A probe which has a connecting end composed of or equipped with a female connector ~~(RFI)~~ as described in claim 1 ~~one of claims 1 to 11~~.

18 (currently amended). A tube which has one end equipped with a male connector ~~(RMI)~~ ~~according to one of claims 1 to 11~~, and an

opposite end equipped with a female connector—~~(RFI)~~ according to claim 1~~one of claims 1 to 11~~.

19 (currently amended). A connector which has one end composed of a female connector—~~(RFI)~~ according to claim 1~~one of claims 1 to 11~~, and another end which is capable of connecting to an enteral feed container.

20 (currently amended). A three-way connector in which one channel is fitted with a male connector—~~(PMI)~~~~according to one of claims 1 to 11~~, with each of the other two channels being equipped with a female connector—~~(RFI)~~ according to claim 1~~one of claims 1 to 11~~.

21 (currently amended). A three-way connector in which one channel is fitted with a female connector—~~(RFI)~~~~according to one of claims 1 to 11~~, with each of the other two channels being equipped with a male connector—~~(PMI)~~ according to claim 1~~one of claims 1 to 11~~.

22 (currently amended). Enteral nutrition lines fitted with a male connector—~~(PMI)~~ and a female connector—~~(RFI)~~ according to claim 1~~one or more of claims 1 to 11~~.

23 (currently amended). A set of connectors that include the standardised connectors—~~(PMN, RFN)~~ as specified in the table, and also connectors according to the invention—~~(PMI, RFI)~~ as specified in the table.